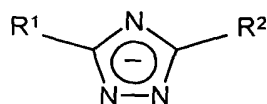
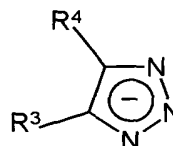


WHAT IS CLAIMED IS:

1. A compound containing uretdione groups, having a molar fraction of isocyanurate structures, based on the sum of uretdione groups and
5 isocyanurate groups, of not more than 10%, wherein the compound is obtained by dimerizing aliphatic and/or cycloaliphatic isocyanates containing exclusively secondary and/or tertiary isocyanate groups.
2. The compound according to Claim 1, wherein the compound is obtained by
10 dimerizing aliphatic and/or cycloaliphatic diisocyanates containing exclusively secondary and/or tertiary isocyanate groups.
3. The compound according to Claim 2, wherein the diisocyanates comprise 4,4'-diisocyanatodicyclohexylmethane.
- 15 4. A process for dimerizing compounds containing exclusively secondary and/or tertiary isocyanate groups comprising dimerizing said compounds in the presence of a saltlike oligomerization catalyst containing one or both of 1,2,3-triazolate structures and 1,2,4-triazolate structures in the anion of the
20 catalyst.
5. The process according to Claim 4, wherein the anion of the saltlike oligomerization catalyst contains one or both triazolate structures of the general formulas (I) and (II)



(I)



(II)

wherein

5

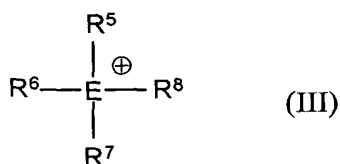
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carbon atoms of the 1,2,3-triazolate five-membered ring also form optionally fused rings having 3 to 6 carbon atoms.

8. The process according to Claim 5, wherein the anion of the saltlike
5 oligomerization catalyst comprises one or more salts of compounds selected from 1,2,4-triazole, 1,2,3-triazole and 1,2,3-benzotriazole, and mixtures thereof.

9. The process according to Claim 5, wherein the oligomerization catalyst
10 contain as cations one or more compounds selected from alkali metal ions, monovalent ammonium ions, and phosphonium cations of the general formula (III)



15 wherein

E is nitrogen or phosphorus, and

20 R^5 , R^6 , R^7 and R^8 are identical or different radicals selected from saturated aliphatic or cycloaliphatic radicals and optionally substituted aromatic or araliphatic radicals having up to 18 carbon atoms.

10. A polyurethane polymer prepared by reacting the compounds containing
25 uretdione groups according to Claim 1 with a polyol in a polyaddition process.

11. A method of preparing a polyurethane polymer comprising reacting the compounds containing uretdione groups according to Claim 1 in a polyaddition process.
- 5 12. A method of preparing a powder coating composition comprising adding the polyurethane polymers according to Claim 10, as a crosslinking component, to the powder coating composition.
- 10 13. A powder coating composition comprising the polyurethane polymers according to Claim 10 as a crosslinking component.